

WHAT IS CLAIMED IS:

1. A support mechanism for holding up an edge of a rectangular motherboard, comprising:

5 a first hook at one end, a second hook at the other end both fastened at a substantially parallelepiped case of an electronic device, and an arcuate support section between the first and the second hooks,

wherein the support section fits onto an edge of the motherboard when the motherboard is secured to the case of the electronic device by the support mechanism.

10 2. The support mechanism of claim 1, wherein the motherboard comprises a plurality of elongated channels each having a large, circular, and central hole, and further comprising a plurality of post-like snapping members on a bottom of the case of the electronic device, the snapping members being adapted to correspond the holes, each of the snapping members comprising a round head,
15 a neck having a smaller diameter, and a base coupled to the bottom of the case of the electronic device wherein in assembling the motherboard in the case of the electronic device, cling the hole of the channel of the motherboard onto the neck of the snapping member, and move the motherboard toward one side until the neck of the snapping member is tightly fitted at one end of the channel for
20 fastening the motherboard in the case; and in detaching the motherboard from the case of the electronic device for maintenance, move the motherboard to align the hole of the channel with the head of the snapping member prior to detaching the motherboard from the case of the electronic device.

3. The support mechanism of claim 1, further comprising a plurality of
25 apertures at sides and corners of the case of the electronic device, the apertures being adapted to correspond to and mate with the first and the second hooks of the support mechanism wherein in assembling the motherboard in the case of

the electronic device, snap the first hook into one of two adjacent apertures and snap the second hook into the other one of the adjacent apertures, thereby securing the support mechanism to the case of the electronic device.

4. The support mechanism of claim 1, wherein the support section of the
5 support mechanism comprises an upper end slanted upward so that a large opening of the support section is obtained for facilitating a fitting of the edge of the motherboard into the support section.

5. The support mechanism of claim 4, further comprising a reinforced ridge on a top of the upper end of the support section of the support mechanism for
10 increasing a structural strength of the upper end of the support section.

6. The support mechanism of claim 1, wherein the support mechanism is of plastic material formed integrally and has a predetermined flexibility.

7. The support mechanism of claim 1, wherein the electronic device is an industrial computer.

15 8. The support mechanism of claim 1, wherein the support mechanism is of metal material formed integrally.

9. The support mechanism of claim 1, wherein the electronic device is a cellular phone.